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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:
CHING-WU CHU

Serial No: 032,041

Filed: March 26, 1987

For: SUPERCONDUCTIVITY IN
SQUARE-PLANAR COMPOUND
SYSTEMS

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GROUP ART UNIT: 111

AMENDMENT

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Dear Sir:

Responsive to the Office Action mailed January 20,
1988, please amend the above-identified application as
follows:

IN THE CLAIMS

Please add to the application claims 93 and 94 as
follows:

C1
cont
93. A material containing a sufficient quantity of a
superconductive crystalline phase to cause the material to
exhibit substantially zero electrical resistance at a
temperature of 77°K or above; said crystalline phase
composition having the formula $LM_2Cu_3O_{6+\theta}$, wherein "L" is
Sc, Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb,
Lu, or mixtures thereof; "M" is Ba, Sr or mixtures
thereof; and θ is a value from about 0.1 to about 4.5 that
provides the composition with zero electrical resistance
at a temperature of 77°K or above.

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